07/003,822 Beauched

L1 STRUCTURE CREATED

=> DIS L1 QUE

LÍ STR

VAR G1=H/NH2/NO2
VAR G2=X/23/31/37/44
VAR G3=ME/ET/N-PR/I-PR/N-BU/S-BU/I-BU/T-BU
VAR G4=H/ME
VAR G5=H/ME
VAR G6=H/ME/ET/N-PR/I-PR/N-BU/S-BU/I-BU/T-BU
VAR G7=H/ME/ET/N-PR/I-PR/N-BU/S-BU/I-BU/T-BU
NODE ATTRIBUTES:
NSPEC IS C AT 42
NSPEC IS C AT 50

GRAPH ATTRIBUTES: RSPEC I NUMBER OF NODES IS 51

=> S L1 FUL FULL SEARCH INITIATED 11:11:38 SCREENING FULL SCREEN SEARCH COMPLETED - 65 TO ITERATE 100.0% PROCESSED 65 ITERATIONS SEARCH TIME: 00.00.30

49 ANSWERS

L2 49 SEA SSS FUL L1

=> FILE CA FILE 'CA' ENTERED AT 11:12:26 ON 08 JAN 90 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY

FILE COVERS 1967 - 6 JAN 90 (900106/ED) VOL 112 ISS 02. For OFFLINE Prints or Displays, use the ABS or ALL formats to obtain abstract graphic structures. The AB format DOES NOT display structure diagrams.

=> DIS L3 1-5 ALL

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L3
      ANSWER 1 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
       CA111 (13):114845y
ΤÏ
       Preparation of fluoroanisole derivatives as intermediates for
       fluoroquinolone antibacterials
      Masuzawa, Kuniyasu; Suzue, Seigo; Hirai, Keiji; Ishizaki, Takayoshi
Kyorin Pharmaceutical Co., Ltd.
ΑU
CS
LO
       Japan
      Jpn. Kokai Tokkyo Koho, 9 pp.
JP 01016746 A2 20 Jan 1989 Heisei
JP 87-171946 9 Jul 1987
20
PΙ
AI
IC
       ICM
            C07C059-90
             C07C051-06; C07C051-353; C07C051-60; C07C065-21; C07C069-738; C07C102-08; C07C103-26; C07C121-75; C07D215-56
       ICS
20
28
       25-9 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
DT
CO
      JKXXAF
PY
       1989
       Japan
GI
      ANSWER 1 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
                                                          Ι
      The title compds. I (R = CN, CONH2, CO2H, COC1, COCH2CO2R1; R1 = H, lower alkyl; X = halo), useful as intermediates for fluoroquinolone
AB
      antibacterials, were prepd. A mixt. of
      3-bromo-2-chloro-5,6-difluoroanisole and CuCN in
      N-methyl-2-pyrrolidone was stirred at 130.degree. for 5 h to give 2-chloro-4,5-difluoro-3-methoxybenzonitrile.
      fluoroanisole prepn fluoroquinolone antibacterial intermediate;
ΚW
      anisole fluoro prepn antibacterial intermediate
Bactericides, Disinfectants, and Antiseptics
(intermediates for, prepn. of fluoroanisoles as)
66684-55-7P 112811-66-2P 112811-67-3P ***1128
IT
                                                                  ***112811-73-1P***
ΙT
                                              122375-84-2P
      122375-82-0P
                          122375-83-1P
                                                                    122375-85-3P
                           122375-87-5P
       122375-86-4P
                                              122375-88-6P
                                                                    122375-89-7P
       ***122375-90-0P***
                                 122375-91-19
           (prepn. and reaction of, in prepn. of bactericide)
112811-57-1P*** ***112811-58-2P*** ***112811-59-3P***
IT
       ***112811-57-1P***
       ***112811-61-7P***
                                     ***112811-62-8P***
                                                                      122394-84-7P
L3
      ANSWER 1 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
      (prepn. of, as antibacterial)
112811-63-9P 112811-64-0P 11
IT
                                               112811-65-1P
                                                                    112811-68-4P
       ***112811-71-9P***
                                      ***112811-72-0P***
                                                                      122375-78-4P
       122375-79-5P
           375-79-5P 122375-80-8P 122375-81-9P
(prepn. of, as intermediate for fluoroquinolone antibacterial)
                                               122375-81-9P
       105-53-3, Diethyl malonate 109-01-3, N-Methylpiperazine
IT
      109-07-9, 2-Methylpiperazine 110-85-0, Piperazine, reactions 122-51-0, Triethyl orthoformate 551-62-2, 1,2,3,4-Tetrafluorobenzene 765-30-0, Cyclopropylamine 3862
                                                                                      3862-73-5,
       2,3,4-Trifluoroaniline 99724-19-3 107610-69-5 107610-73-1
       122375-79-5
                         122375-81-9
           (reaction of, in prepn. of intermediate for antibacterial
           fluoroguinolones)
      544-92-3, Copper(I) cyanide (reaction of, will bromo
IT
```

bromobenzene deriv.)

ANSWER 2 OF 5
TOUT (C) 1990 OMERICAN CHEMICAN SOCIETY

L3

CUBACALCAL

```
AΝ
      CA111(11):97105j
      Preparation of 3-amp-2-(3-alkoxy-2,4,5-triflumbenzoyl)acrylic acid derivatives as intermediates for antibacterials
TI
AU
      Ataka, Kikuo; Oku, Masayoshi; Omori, Kiyoshi; Kimura, Tomio; Iwata,
      Masayuki
CS
      Ube Industries, Ltd.; Sankyo Co., Ltd.
LO
      Japan
      Jpn. Kokai Tokkyo Koho, 9 pp.
JP 63316757 A2 26 Dec 1988 Showa
20
PΙ
AI
      JP 87-152099 18 Jun 1987
L3 ANSWER 2 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
IC ICM C07C101-34
      ICS
            C07C099-00; C07C121-78; C07D295-00; C07D295-14
      A61K031-215; A61K031-275
ICA
SC
      27-17 (Heterocyclic Compounds (One Hetero Atom))
ŜX
      1, 25, 28
DT
CO
PY
      JKXXAF
      1988
LA
      Japan
```

GI

IT

13

151-50-8, Potassium cyanide

ONSHER 2 DE 5

AB The title compds. (I; R1 = lower alkyl; R2,R3 = alkyl; or NR2R3 = cyclic amino optionally contg. O, S, SO, or SO2; A = cyano, lower alkoxycarbonyl) useful as intermediates for antibacterial

```
ANSWER 2 OF 5
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quinolonecarboxylic acids (II; R4 = 1-pyrrolidinyl or 4-piperazinyl
       optionally substituted by lower alkyl, lower alkoxy, OH, or NH2), were prepd. A soln. of Me2NCH:CHCO2Et in THF was added dropwise
       under ice-cooling, followed by Et3N, to a soln. of
       3-methoxy-2,4,5-trifluorobenzoyl chloride (III) in THF.
                                                                                            The mixt.
       was stirred 5 h at room temp. and left to stand overnight to give 29% I (R1-R3 = Me, A = C02Et) which was treated with cyclopropylamine in CH2C12 to give I (R1 = Me, NR2R3 = \frac{1}{2}
       cyclopropylamino, A = CO2Et). A soln. of the latter in THF contg. NaH was stirred 30 min at room temp. to give II (R1 = Me, R4 = F) Et
       ester which was treated with 42% HBF4 to give II.BF2 (R1 = Me, R4 =
              The latter and piperazine were reacted overnight at room temp.
       in Me2SO to give II (R4 = 1-piperazinyl, R1 = Me)(\overline{IV}). IV exhibitemin. inhibitory concns. of .ltoreq.0.01 to 0.8 .mu.g/mL against 14 bacteria (e.g. Staphylococcus aureus and Escherichia coli).
                                                                                         IV exhibited
K₩
       aminobenzoylacrylate prepn intermediate antibacterial
       quinolonecarboxylate
IT
       Bactericides, Disinfectants, and Antiseptics
            (quinolonecarboxylates, intermediates for, aminobenzoylacrylates
       110-85-0, Piperazine, reactions
___(amination_by, of difluoreexequincline carbexylic acid deriv.)
IT
IT
       765-30-0, Cyclopropylamine
       (amine exchange of, with Me(dimethylamino)acrylate deriv.) 924-99-2, Ethyl 3-(dimethylamino)acrylate 999-59-7, Methyl
IT
       3-(dimethylamino)acrylate
                                              2407-68-3,
       3-(Dimethylamino)acrylonitrile
            (condensation of, with methoxytrifluorobenzoyl chloride)
```

```
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
         (cyanation by, of diazotized methoxytrifluroaniline)
IT
     773-82-0, Pentaflurobenzonitrile
         (methoxylation of, by sodium methoxide)
IT
     115685-58-0P
     (prepn. and amination of, by piperazine) 5291-88-3P, 4-Methoxy-2,3,5,6-tetrafluorobenzonitrile
IT
         (prepn. and ammonolysis of)
IT
     112811-66-2P, 3-Methoxy-2,4,5-trifluorobenzoyl chloride
         (prepn. and condensation of, with Me(dimethylamino)acrylate)
IT
     112811-65-1P, 3-Methoxy-2,4,5-trifluorobenzoic acid
         (prepn. and conversion of, to acid chloride)
IT
     112811-70-8P
         (prepn. and cyclization of)
IT
     114214-46-9P
         (prepn. and decyanation of)
     ***112811-71-9P***
IT
         (prepn. and deethylation of)
     114214-45-8P, 3-Methoxy-2,4,5-trifluoroaniline
IT
         (prepn. and diazotization-cyanation of)
     112811-63-9P, 3-Methoxy-2,4,5-trifluorobenzonitrile
3-Methoxy-2,4,5-trifluorobenzamide
IT
                                                                 112811-64-0P.
         (preph. and hydrolysis of)
     ***112811-57-1P***
                               ***114213-75-1P***
IT
                                                        ***114213-76-2P***
     ***114213-92-2P***
                               121577-31-9P
                                              ***121577-32-0P***
     ***121577-33-1P***
         (prepn. of, as antibacterial)
IT
     121577-34-2P
                    121577-35-3P
                                      121577-36-4P
                                                       121577-37-5P
         (prepn. of, as intermediate for antibacterial
     ANSWER 2 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
     ANSWER 3 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
AN
     CA110(15):135095v
     Preparation of alkoxyfluoroquinolonecarboxylic acid derivatives as
TI
     medical bactericides
AU
     Iwata, Masayuki; Kimura, Tomio; Fujiwara, Yoshimi; Katsube, Tetsushi
CS
     Sankyo Co., Ltd.; Ube Industries, Ltd.
LO
     Japan
20
     Eur. Pat. Appl., 188 pp.
EP 241206 A2 14 Oct 1987
PΙ
     R: AT, BE, C
EP 87-302813
                 CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
3 31 Mar 1987
DS
AΙ
     JP 86-74064
PRAI
                   31 Mar 1986
     JP 86-225120
                    24 Sep 1986
     JP 86-313852
                    24 Dec 1986
IC
     ICM
           C07D215-56
     ICS
           C07D401-04; A61K031-47; A61K031-495; A61K031-535; A61K031-54;
           A61K031-55
ICA
     C07D209-48: C07C093-14: C07C121-75: C07C063-70: C07C121-78;
     C07C103-22; C07C069-738; C07D207-14
SC
     27-17 (Heterocyclic Compounds (One Hetero Atom))
SX
DT
CO
     EPXXDW
PY
     1987
     Eng
11:21:10 COPY AND CLEAR PAGE. PLEASE
     ANSWER 3 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
GI
                 0
                      C02H
                                          (R3)m
```

(R³)_m
Q1=

(R³)_m
Q1=

(R³)_m

(26D=(CH₂)_m
W5HdG

(SHSH) C3-6BGV61021kV1,
(Substituted) Ph; RI = C1-3 alkoxy) X = F, C1; = Q1 (wherein R2 = H, C1-4 (substituted) alkyl, aliph. acyl, aralkyl; R3 = H, C1-3

AB

```
C1-3 alkyl, OH, C1-3 alkoxy; W = OH, C1-3 alkoxy, etc.; B = (CH2)2, (CH2)3; m = as given above)], useful as antibacterials, were prepd.
      A mixt. of 0.11 g
      1-cyclopropyl-6,7-d-luoro-θ-methoxy-1,4-dihydro-4-oxoquinoline-3-ca
      rboxylic acid boron difluoride chelate (preph. given) and 0.11 g
      piperazine in 0.5 mL Me2SO was allowed to stand at room temp.
      overnight and then poured into Et20. Crystals were collected by filtration and dissolved in 30 mL 80% aq. Et0H and 5 mL Et3N. The resulting soln. was refluxed for 4 h and worked up to give I.cntdot.HCl (X = F, Y = 1-piperazinyl, R1 = Me0, R = cyclopropyl)
      ANSWER 3 OF 5
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               II in vitro exhibited a MIC of 0.1 .mu.g/mL against
      Staphylococcus aureus 209P.
      quinolonecarboxylate alkoxyfluoro prepn medical bactericide; bactericide medical alkoxyfluoroquinolonecarboxylate prepn
      Bactericides, Disinfectants, and Antiseptics
          (alkoxyfluoroquinolonecarboxylic acid derivs.)
      109-01-3, N-Methylpiperazine 110-85-0, Piperazine, reactions 110-91-8, Morpholine, reactions 40499-83-0, 3-Hydroxypyrrolidine (amination by, of difluoroquinolone deriv.)
      ***112811-59-3P***
          (prepn. and methylation of)
      114214-23-2P
      (prepn. and reaction of, in prepn. fluoroquinolone bactericide) 114213-93-3P, cis-3-Amino-4-methoxypyrrolidine
          (prepn. and reaction of, with difluoroquinolonecarboxylic acid
          deriv.)
      112282-60-7P
                        ***112811-57-1P***
                                                      ***112811-58-2P***
                                                                ***112811-74-2P***
***114213-69-3P***
                                   ***112811-60-6P***
      ***112811-59-3P***
      ***112811-76-4P***
                                   ***112811-81-1P***
                        114213-71-7P
                                          114213-72-8P
                                                               ***114213-73-9P***
      114213-70-6P
      ANSWER 3 OF 5
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      dihydrochloride
                             114214-54-9P
                                               114214-55-0P
                                                                   114214-56-1P
      114214-57-2P
                         114214-58-3P
                                            114214-59-4P
                                                               114214-60-7P
                         114214-62-9P
      114214-61-8P
                                            114214-63-0P
                                                               114214-64-1P
      114214-65-2P
                         114214-66-3P
                                            114214-67-4P
                                                               114214-68-5P
      114214-69-6P
                                                               114214-72-1P
                         114214-70-9P
                                            114214-71-0P
      114214-73-2P
                         114214-74-3P, 3-Amino-4-methylpyrrolidine
      dihydrochloride
          (prepn. of, as intermediate in prepn. of fluoroquinolone
          bactericide)
                                            105-36-2, Ethyl bromoacetate
      97-63-2, Ethyl methacrylate
                                                  5731-17-9
      1074-82-4, Potassium phthalimide
                                                                  82419-26-9.
      2,3-Difluoro-6-nitrophenol 114214-52-7
          (reaction of, in prepn. of fluoroquinolone bactericide)
      ANSWER 4 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
      CA109(11):92826u
      Antibacterial
      substituted-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acids, substituted-9-fluoro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][
     1,4]benzoxazine-6-carboxylic acids, derivatives thereof,
      pharmaceutical compositions comprising the compounds, and processes
      for producing the compounds
      Domagala, John Michael; Mich, Thomas Frederick; Sanchez, Joseph
      Peter
      Warner-Lambert Co.
      USA
20
      Eur. Pat. Appl., 35 pp.
                                                           us 4,822,801
L3 ANSWER 4 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
    EP 265230 A1 27 Apr 1988
LB: NBT, SBE, CH, DE, ES, FR, GB, GR, IT,
EP 87-309267 20 Oct 1987
PRAI US 86-920536
                      20 Oct 1986
      ICM
           C07D401-04
           C07D498-06; C07D471-04; A61K031-47; A61K031-535
      ICS
      27-17 (Heterocyclic Compounds (One Hetero Atom))
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IT

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SC SX

1 - 28

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DT
 CO
                 EPXXDW
 PY
                 1988
 LA
                 Eng
                 For diagram(s), see printed CA Issue. The title compds. I and II [Z = Q, etc.; Y = NH2, NHR, NRR', OR, OH; R, R' = C1-6 alkyl, C3-16 cycloalkyl; X = CH, CF, CC1, CBr, COR, COH, CCF3, N; n = 1-4; m = 1-4; n + m = 2-5; l = 0-2; R1 = H, C1-6 alkyl, C3-16 alkyl, C3-1
 GI
 AB
               COH, CCF3, N; n = 1-4; m = 1-4; n + m = 2-5; l = 0-2; R1 = H, C1-6 alkyl, cation; R2 = C1-4 alkyl, vinyl, haloalkyl, hydroxyalkyl, cycloalkyl; R3 = H, C1-4 alkyl, C3-6 cycloalkyl; R4 = H, C1-4 alkyl, C2-4 hydroxyalkyl, R7CO, etc.; R5, R6 = H, C1-3 alkyl; R7 = C1-4 alkyl, alkoxy; R8 = H, lower alkyl; with the provisios that: (a) when Y = NH2, X is not CH or N; and (b) when Y is NH2 and R2 is alkyl, vinyl, haloalkyl, hydroxyalkyl, X is not CF1, useful as antibacterials (no data), were prepd. Reaction of 1-ethyl-5-amino-6,7,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxy lic acid (preps. given) with
                 lic acid (prepn. given) with
                 3-(tert-butoxycarbonylamino)pyrrolidine, followed by deprotection, gave I.cntdot.HCl [R1 = H, R2 = Et, Y = NH2, Z = (3-amino-1-pyrrolidinyl), X = CF1.
 KW quinolonecarboxylate amino prepn antibacterial;
L3 ANSWER 4 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
114373-12-5P 114373-13-6P 114373-14-7P
115904-54-6P 115904-55-7P
                                                                                                                                                                  115904-52-4P
                                                                                                                                                                  115904-56-8P
                           (prepn. of, in prepn. of antibacterial quinolones)
                87-13-8, Diethyl (ethoxymethylene)malonate 105-53-3 76
Cyclopropylamine 1071-46-1, Malonic acid monoethyl ester
5733-86-8 15568-85-1 16583-08-7,
 IT
                2-Nitro-3,4-5,6-tetrafluorobenzoic acid
2-Methoxy-3,4,5,6-tetrafluorobenzoic acid
Sodium 2,3,4,5-tetrafluorobenzoate 75167
84427-35-0 91187-83-6, 3-(Ethylaminometh
                                                                                                                                                       18471-40-4
                                                                                                                                                                                                 38512-77-5,
                                                                                                                                                              51535-00-3
                                                                                                                                                                                                        67852-79-3.
                                                                                                                                       75167-21-4
                                                                                                                                                                                  79660-46-1
                84427-35-0 91187-83-6, 3-(Ethylaminomethyl)pyrrolidine
91187-89-2, N-Cyclopropyl-3-pyrrolidinemethanamine 911
                                                                                                                                                                                            91189-23-0
                99724-19-3, 3-(tert-Butoxycarbonylamino)pyrrolidine
                                                                                                                                                                                               99735-37-2
                 101513-77-3, 3-Chloro-2,4,5-trifluorobenzoic acid
                                                                                                                                                                                        103772-14-1
                 111230-53-6
                           (reaction of, in prepn. of antibacterial quinolones)
L3 ANSWER 5 OF 5 COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
                CA108(9):75230g
AN
TI
                Preparation of 8-alkoxyquinolonecarboxylic acids as antibacterials
                with selective toxicity
ΑU
                Masuzawa, Kuniyoshi; Suzue, Seigo; Hirai, Keiji; Ishizaki, Takayoshi'
CS
                Kyorin Pharmaceutical Co., Ltd.
LO
                Japan
               Eur. Pat. Appl., 44 pp.
EP 230295 A2 29 Jul 1987
R: BE, CH, DE, FR, GB, IT, LI, NL, SE
EP 87-100608 19 Jan 1987
SO
PΙ
DS
ΩI
L3 ANSWER 5 OF 5 COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
PRAI JP 86-10880 21 Jan 1986
                 JP 86-220149 18 Sep 1986
IC
                              C07D215-56
                 ICM
                ICS
                              C07D401-04; A61K031-47
SC
                27-17 (Heterocyclic Compounds (One Hetero Atom))
SX
DT
CO
                EPXXDW
PY
                1987
                Eng
```

R2

0

CO₂R

```
The title compds. I (R = H, alkyl; R1 = alkyl; R2 = H, NH2, NO2; X = halo; Z = halo, piperazino, N-methylpiperazino, 3-methylpiperazino,
AB
      ANSWER 5 OF 5
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      3-hydroxypyrrolidino, etc.), useful as antibacterials, were prepd.
      A mixt. of 200 mg
      1-cyclopropyl-6,7-difluoro-1,4-dihydro-9-methoxy-4-oxo-3-quinolineca
      rboxylic acid and 180 mg piperazine in 3 mL DMSO was stirred for 2.5
      h at 70-80.degree. to give 40 mg
      1-cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-4-oxo-7-(1-piperazinyl)
-3-quinolinecarboxylic acid (II). II in vitro exhibited a MIC of
0.10 .mu.g/mL against Staphylococcus aureus 209 P.
      quinolonecarboxylate alkoxyfluoro prepn medical bactericide;
K₩
      bactericide medical alkoxyfluoroquinolonecarboxylate prepn
IT
      Bactericides, Disinfectants, and Antiseptics
      (medical, alkoxyquinolonecarboxylic acid derivs.)
                                          109-07-9, 2-Methylpiperazine
IT
      110-85-0, reactions 67318-88-1, 3-Aminomethylpyrrolidine
      91187-81-4, 3-Methylaminomethylpýrrolidine
3-Ethylaminomethylpyrrolidine 99724-19-3,
                                                             91187-83-6.
      3-tert-Butoxycarbonylaminopyrrolidine 107610-69-5 107610-
(amination by, of difluoroquinolonecarboxylic acid deriv.)
                                                      107610-69-5
                                                                         107610-73-1
IT
      551-62-2
          (bromination and methoxylation of)
42-53-2 99734-96-0 99734-98-2
                     99734-96-0
                                                      103460-89-5
                                                                       112811-82-2
IT
      94242-53-2
          (methoxylation of)
IT
      ***112811-78-6P***
          (prepn. and amination of)
      ***112811-72-0P***
IT
          (prepn. and amination or nitration of)
TT
      112811-68-4P
          (prepn. and condensation of, with Et orthoformate)
      112811-66-2P
      ANSWER 5 OF 5
COPYRIGHT (C) 1990 AMERICAN CHEMICAL SOCIETY
          (prepn. and condensation of, with di-Et malonate)
IT
      13332-24-6P
          (prepn. and cyanation of)
IT
      112811-70-8P
          (prepn. and cyclocondensation of)
     .112811-67-3P
IT
          (prepn. and decarboxylation of)
      ***112811-62-8P***
                                  ***112811-73-1P***
IT
          (prepn. and deprotection of)
                        ***112811-71-9P***
IT
      112811-63-9P
          (prepn. and hydrolysis of)
TT
      112811-69-5P
          (prepn. and reaction of, with cyclopropylamine)
      112811-65-1P
IT.
          (prepn. and reaction of, with thionyl chloride)
      ***112811-77-5P***
TT
      (prepn. and redn. of)
99734-98-2P ***112811-
                                                   ***112811-58-2P***
IT
                      ***112811-57-1P***
                                  ***112811-60-6P***
      ***112811-59-3P***
                                                              ***112811-61-7P***
                                                               112811-75-3P
      ***112811-62-8P***
                                  ***112811-74-2P***
      ***112811-76-4P***
                                  ***112811-79-7P***
                                                              ***112811-80-0P***
      ***112811-81-1P***
                                  ***112811-83-3P***
      (prepn. of, as antibacterial agent)
112811-64-0P, 2-Methaxy-2,4,5-trifluerabenzamide
(prepn. of, as intermediate in prepn. of fluoroquinolone
IT
          antibacterial agent)
      フィビニウロニロ
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=> LOG Y

STN INTERNATIONAL LOGOFF AT 11:33:19 ON 08 JAN 90